

Application Serial No. 09/960,463
Amendment dated September 7, 2004
Reply to Office Action mailed May 7, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A portable automatic insulin syringe device adapted to enable an injection of liquid medicine for a prolonged time, comprising:

(a) a blood sugar measuring unit mounted at one side of a pump housing and adapted to measure a blood sugar level of a user; comprising:

(I) a housing having a lamp hole and an insert hole;

(ii) a control panel adapted to control a measuring lamp and to convert a measured value from the measuring lamp into a signal capable of being recognized by the control unit;

(iii) the measuring lamp received in the lamp hole while being outwardly exposed through the lamp hole;

(iv) a measuring probe that fits into the insert hole having a measuring plate for covering the lamp hole behind the measuring probe; and

(v) a fitting protrusion member mounted to the housing in a spring-loaded state adapted to maintain the measuring probe in a fixed position over the lamp hole,

(b) a control unit for controlling the blood sugar measuring unit and a syringe pump wherein a value of the blood sugar level is received by the control unit from the blood sugar measuring unit and wherein the control unit outputs a quantity of insulin and a variation of the value of the blood sugar level from a reference value with a lapse of time; and

© a display unit for displaying the quantity of insulin dispensed to a user and a variation of the value of the blood sugar level from a reference value with the lapse of time in the form of a graph.

Claim 2 (cancelled)

Claim 3 (cancelled)